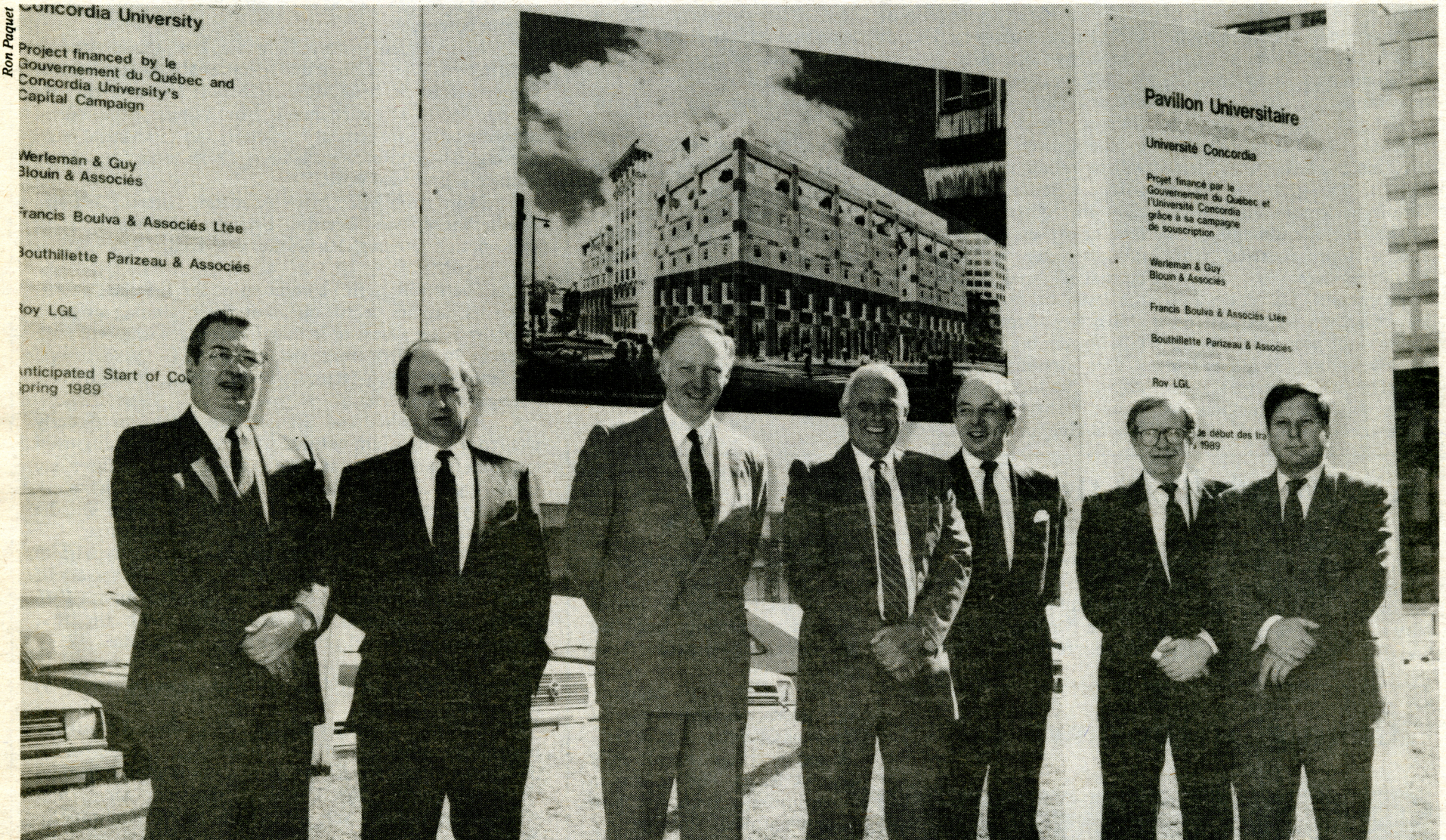


The thursday report

Concordia University, Montreal

Vol. 12 No. 23 April 7, 1988

The new library — take a look



Some of the major figures involved in the construction of Concordia's downtown library complex gathered on the site last Thursday to unveil a full-color billboard of the \$40 million project.

From left to right are Concordia Governors A. H. (Mike) Michell, Vice-Chairman of The Royal Bank of Canada and Chair of the Capital Campaign's Major Gifts Division; William W. Stinson, President and C.E.O. of Canadian Pacific Ltd. and Capital Campaign National Chairman; Rector and Vice-Chancellor Patrick Kenniff; Domtar Inc. President and C.E.O. James H. Smith, the Campaign's National Vice-Chairman; and Board of Governors Chairman P. André Gervais. At right are Vice-Rectors Maurice Cohen (Institutional Relations and Finance) and Charles Giguère (Services).

Construction of the six-storey building starts next spring; some preliminary work will be undertaken on the site this fall (see story page three).

NSERC awards \$3.9 million to Concordia

Major increase of 17.4% over last year

by Diane McPeak

Concordia researchers have obtained major increases in funding from The Natural Sciences and Engineering Research Council (NSERC). The total dollar amount obtained is \$3.9 million — an increase of 17.4% over last year.

The largest increase, 24.3%, went to the Faculty of Engineering and Computer Science, followed by the Faculty of Arts

and Science at 5.6% and the Faculty of Commerce at 2.2%. (Researchers in the Faculty of Fine Arts are not eligible for NSERC grants; only seven of 36 departments are eligible in Arts and Science, and only one of six in Commerce and Administration).

The highest departmental increase went to Mechanical Engineering, whose funding rose 51% over the previous year. The largest individual research grant (\$83,200), was

given to aerospace engineer W.G. Habashi, who recently won the E.W.R. Steacie Memorial Fellowship — one of Canada's most prestigious awards for science and engineering achievements — for his work in computational fluid dynamics. Habashi's grant is the largest in Canada awarded this year by NSERC's Mechanical Engineering Committee. Other top Concordia mechanical engineering winners were: Sheshadri Sankar (\$56,480), T.S.

Sankar (\$56,480), C.K. Kwok (\$44,440), and R.M.H. Cheng (\$44,226).

Other notable departmental increases include those for the Centre for Building Studies (up 27% this year over last), Computer Science (up 23%), and Psychology (up 18%).

Dr. Cooper Langford, Concordia's Associate Vice-Rector, Research, attributes the increases to Concordia's long term development program for research. "It takes time for

scientists at newer Universities like Concordia to develop lead-

See GRANTS page 3

Have you returned your completed enrollment card for the Improved Survivor Protection Program? Deadline is **TOMORROW!**

Task force to prepare report on a smoke-free University

Recommendations ready for the fall

by Zonia Keywan

A task force on smoking in University buildings was established recently by Concordia's Central Advisory Health and Safety Committee. The task force's mandate is to prepare a set of recommendations which would lead to the reduction or possible elimination of tobacco use on campus.

Heading the task force is Richard Guy of the Centre for Building Studies. Other members of the group represent various sectors of the University and include students, staff and a representative from Health Services.

At present, University policy regarding smoking conforms to the provincial law, Bill 84. No smoking is allowed in any office where service is given to the public. This includes all departmental offices.

During the meetings held up to now, the task force reviewed legal and scientific materials related to smoking and studied policies adopted in other parts of Canada and the United States. The group expects to have its recommendations ready for the June meeting of the Central Advisory Health and Safety Committee.

Guy anticipates that because the academic year is almost finished, input from members of the University community will be minimal, but the task force welcomes responses, right through to the fall. In fact, he expects that one of the group's recommendations will be that all final proposals on the issue be reviewed by the University community next fall, no later than October 1.

One organization that is hoping the task force will recommend the total elimination of smoking on campus is Con-

cordia's Clean Air Coalition (CCAC). CCAC member Andreas Siebert believes that tobacco should be banned "in all areas which are shared by smokers and non-smokers."

"Tobacco smoke is an environmental health hazard," he says. "The university has a legal and ethical obligation to protect its workers and students from death or incapacity they may experience because of smoking."

Consider separate lounges?

To accommodate those who cannot shake their addiction to tobacco, Siebert says, the University should consider setting up separate lounges, with separate ventilation, for the use of smokers.

Mary Baldwin, Coordinator of Concordia's Occupational Health and Safety Office and ex-officio member of the task

See SMOKE page 8

ATA GLANCE

...Time is running out...to return a completed enrollment card that came with your "Improved Survivor Benefits Protection Program" kit. Benefits Administrator **Dawn Johnson** says tomorrow is the deadline and adds: "Please send in the form — whether or not you are making changes in your coverage"...

...Management Information Services' **David Scott** is chairing this year's Canadian Operational Research Society conference to be held May 24-26 here in Montreal. He expects 150 to 175 participants from industry, the federal government, management consulting, and industrial engineering. The conference theme is "New tools for solving problems in the real world."

...More from MIS: MBA Academic Director **Thomas Tomberlin** replaces Decision Sciences and Management Information Systems' **Martin Kusy**, as chairman of MIS at the end of May.

...There will soon be children at the Loyola Campus when its daycare centre opens at the beginning of May. Director **Josée Garneau** is now hiring staff who will look after the 34 children from three months to five years of age. Students, staff and faculty will be eligible to send their youngsters there....

...Religion's (Judaic Studies) **Ira Robinson** recently chaired a symposium entitled *Yiddish Montreal*. Eighteen speakers from Canada and the U.S. spoke at the three-day event. Topics: Montreal as a world centre of Yiddish literary creativity; and the role of Yiddish language in the development of the Jewish community of Montreal...

...Archivist **Nancy Marrelli** is again allowing us to travel backwards in time: Saturday marks the 30th anniversary of the Garnet Key Honour Society and later this month 1988 Engineering graduates will be reunited with the first Graduating Class of Engineers at Concordia (1968). Marrelli has collected interesting material of those eras in the Hall building (ground floor and mezzanine respectively) to honour those events...

...Modern Languages & Linguistics' **Mariela Gutiérrez** has published an essay entitled "Jicotea: Un gran personaje de Lydia Cabrera" in *En torno a Lydia Cabrera*, Ediciones Universal, Miami, 1988. The book drew submissions from 40 specialists in Afro-American Literature and Anthropology...

...The Translation Office will be hosting **Jean Filion**, a student-trainee from Concordia's Translation program, for the coming six weeks...

...Today Faculty of Fine Arts' (Painting & Drawing) **Morrie Rohrluck** opens an exhibition of 24 of his recent paintings and coloured drawings, under the title "Patterns to Abstraction" at Galerie Timothy Roberts, 1452 Sherbrooke Street West, which runs until the 26th of the month. One of these works was just purchased by the Musée du Québec for its collection...

...Tuesday evening **Fred Krantz** (History) and **Peter Shizgal** (Psychology) were guest speakers in a public affairs lecture at the Saidye Bronfman Centre entitled "Israel's Crisis and Ours: What's to be done; What's not to be done"...

...Assistant Coordinator of Services for Disabled Students, **Leo Bissonnette**, is to be inducted into the Loyola High School Hall of Merit later this month in recognition of his outstanding contribution to serving and educating young people with physical disabilities. In an article in the March issue of the Loyola High School Alumni and Associates magazine, written about Leo by Sociology and Anthropology Chair **John Drysdale**, the new inductee is described as "very much the team player...a pioneer who has broken new ground in the service of others..." Congratulations, Leo...

A new page in negotiations

Concordia downtown Library support staff, represented by the National Union of Sir George Williams University's Employees (NUSGWUE), and the University

administration are one step closer to signing a collective agreement that will end a year and a half of negotiations.

The two sides have reached an agreement in principle

which is expected to be ratified by the Board of Governors at its April 20th meeting. NUSGWUE members will vote on the agreement once all details of the contract are finalized.

The NUSGWUE negotiating team was composed of Thomas Chalmers, Claire Delisle and Peter Randall (currently on sick leave). The Concordia negotiators were Lillian Rubinlicht, Ruth Rohrluck and Kathleen Waterhouse (replacing Brenda Silva, who is on a leave of absence).

Support staff in the libraries on the downtown campus will benefit from several contract changes, such as a better method for filling temporarily-vacated positions, a leave of absence on a part-time basis and increased salaries. "We also examined how part-time staff will benefit from the agreement," said Waterhouse.

The part-time staff became members of NUSGWUE in January 1987 when the Ministry of Labour granted the Union a new certification.

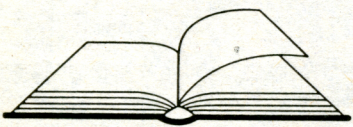
The agreement will be in effect until 1989.

(Ed's note: Late last week the VLANPE (Vanier Library Association of Non-Professional Employees) also reached an agreement in principle with the university.) — SB

"Ringing" in the new



Peter Lauch (1988 grad) shakes hands with Hal Debor (class of 1968). The two — with their respective classes — will be participating this week in the traditional "Iron Ring ceremony" where newly graduated engineers receive their engineering rings. Concordia will be celebrating the 20th anniversary of its first graduating class of Engineers and a banquet has been scheduled for early May where the "Prototype class" (1968) will meet the current Engineering grads.



Daring to Excel
Oser se surpasser

\$40-million downtown complex enters final pre-construction phase

Architects and University representatives are one step closer to the final design phase of our long-awaited downtown showpiece across from the Henry F. Hall Building.

They are currently working on one of the final steps in the design phase — what are termed drawings — and conducting detailed studies of various portions of the structure.

As reported earlier in *TTR*, the final design concept for the \$40 million complex, which will house the University's downtown library facilities and much needed non-library and community space, received official approval from the Ministry last December 29th.

In the fine tradition of la Maison Alcan and Sherbrooke Street's Mercantile Bank Building, the Concordia complex will be the latest Montréal structure to blend the city's rich architectural heritage with a functional structure for the '80s.

The complex will integrate the glazed terracotta façade and a portion of the 76-year-old Royal George Apartment Building with a multi-purpose, functional University building. It has been designed to blend with and complement the existing urban environment and the changing face of downtown Montréal.

To be completed in the spring of 1991, the complex will be connected to the Henry F. Hall Building by a tunnel under de Maisonneuve Boulevard.

Escalators and stairs will lead up to a spacious, naturally-lit ground floor known as Place Concordia — a 24-foot-

wide interior street and community area featuring a six-storey atrium.

Place Concordia will be the new address for the Concordia Art Gallery, the University Bookstore and a student services area — which will include Admissions, Registrar Services and Student Accounts — a 250 seat cinema, and a dining facility.

Elevators, escalators and stairs on the Mackay Street side of the building will lead up to a spacious lobby outside the library's main entrance.

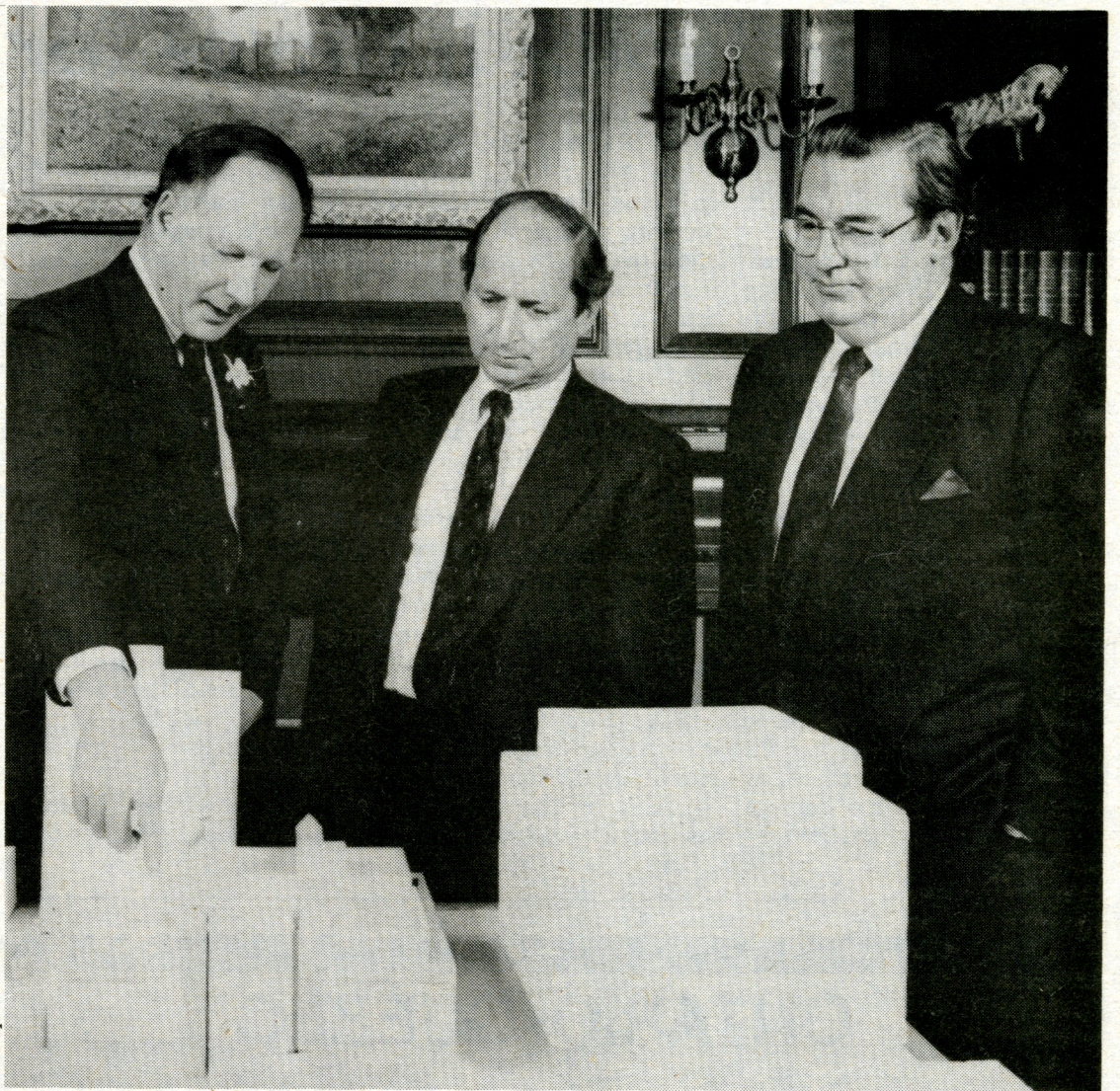
The downtown library will be consolidated on floors two, three and four, and will cover a total of 11,000 square metres.

The new facility will feature the latest in library design and equipment, and provide students, staff and faculty with efficient and improved space. The two halves of the library will be joined across the atrium by bridges.

Floors five and six will group academic departments currently scattered in annexes and buildings in downtown Montréal.

The top two floors of the building will be recessed from the first four and will, on the Bishop Street side, replicate and accent the structure of the old Royal George building.

Preserving a portion of the Royal George along with the façade was considered the most practical alternative. Months of study, including government analyses, concluded that maintaining the Royal George in its entirety would add \$5 million to the cost of the project; maintaining the façade alone would add \$1.5 to \$2 million.



Rector Patrick Kenniff and Board of Governors members William Stinson (middle) and A. H. (Mike) Michell (right) examine a maquette of the new downtown library complex at the March 17th launch of the Capital Campaign's Major Gifts Division.

The launch was held in The Royal Bank of Canada's 41st floor boardroom at Place Ville Marie. Michell, Royal Bank Vice-Chairman, is head of the Major Gifts Division. Stinson, President and CEO of Canadian Pacific Ltd., is the Campaign's National Chairman.

Engineering scholarship winners hailed



An awards ceremony was held recently for the 1986-87 and 1988-89 recipients of the Quebec Iron and Titanium — Fer et Titane Inc. Engineering Scholarships. The scholarships are awarded annually to deserving students in either Mechanical or Electrical Engineering. A donation of \$2,000 to Concordia's Capital Campaign was also presented at the ceremony.

Pictured above are (from left to right) M.N.S. Swamy, Dean, Faculty of Engineering and Computer Science; M.O.M. Osman, Chair, Mechanical Engineering Dep't; D. Lambert, Q.I.T. — Fer et Titane Inc.; G. Carrese, 4th-year Mechanical Engineering; R. Forgione, 3rd-year Mechanical Engineering; R. Leblanc, Q.I.T. — Fer et Titane Inc.; and R. Côté, Director, Financial Aid Office.

GRANTS

continued from page 1

ership positions in their respective fields of research," he says. "The fact that we have done as well as we have in obtaining grants in recent years indicates that we are developing a considerable level of maturity in our overall research program."

Just two years ago Concordia had no NSERC grants above the \$50,000 level; one year ago it had only one; this year there are seven, Langford said.



Largest grant to W.G. Habashi

Charles Bélanger

Ron Paquet

Making (sound) waves for safety

First-of-its-kind technique detects tanker flaws

by Diane McPeak

Mechanical Engineering Professor Suong Hoa has been awarded a \$45,000 grant from the Québec government to develop new testing techniques to improve the safety of tanker trucks on Québec roads.

Using high-frequency sensors, Hoa can detect "acoustic emissions" (i.e., sound waves) emanating from growing cracks in the fibre-reinforced plastic used to line tanks carrying chemicals and other potentially dangerous liquids.

Until now government safety inspectors have had no accurate testing procedures to determine the extent of damage in fibre-reinforced plastic tank-

ers. Hoa's acoustic test can pinpoint structural flaws and allow them to be repaired at a fraction of the cost of replacing entire tanks.

His research is the first of its kind in Canada; Hoa says that his team is the only one capable of performing the acoustic emission test on fibre-reinforced plastic vessels.

Working in cooperation with the Québec Ministry of Transport and engineers at Les Transports Provost, a Ville d'Anjou truck tanker manufacturer, Hoa hopes his "non-destructive" testing techniques will be used to devise new government regulations to ensure adequate quality control — both in the design and inspection of possibly danger-

ous containers.

Hoa's research has important implications for accident prevention.

A recent story in the news clearly illustrates how tanker leaks can play havoc with traffic. A 100-litre spill of chromic acid on the Trans-Canada Highway during the morning rush-hour on March 18 disrupted West-Island traffic for four hours.

The acid, which leaked from a broken container inside a tractor-trailer, left a kilometre-long stain on the Trans-Canada. The road had to be completely closed while environmental specialists cleaned up the mess. The acid in this particular accident is used in the metal-plating indus-



Suong Hoa: "Testing techniques have been particularly effective in pinpointing structural flaws in composites."

try for process engraving and for cleaning metal. In highly concentrated solutions it is not

light weight.

Improving safety

Hoa's work is a clear example of the adaptation of high technology to develop techniques to improve the safety of tanker trucks. Ultimately it is the safety standards deriving from these testing techniques which will determine how tankers are manufactured, and thus help to guarantee highway safety. Hence Hoa's research may well become a milestone in the formulation of new guidelines for better highway safety standards.

Hoa is currently forming an association called the "Canadian Association for Composite Structures and Materials" (CACSM), which he hopes will provide a Canadian identity and focus for composites research and development. Membership in CACSM will be open to individuals, universities, governments, and industry. The founding five-member executive has met several times during the last six months and is close to finalizing a constitution. Planned activities include a quarterly newsletter, a survey of composites activity in Canada, a biennial international conference, workshops and seminars, and a student design competition.

'The applications of Hoa's work go far beyond trucks'

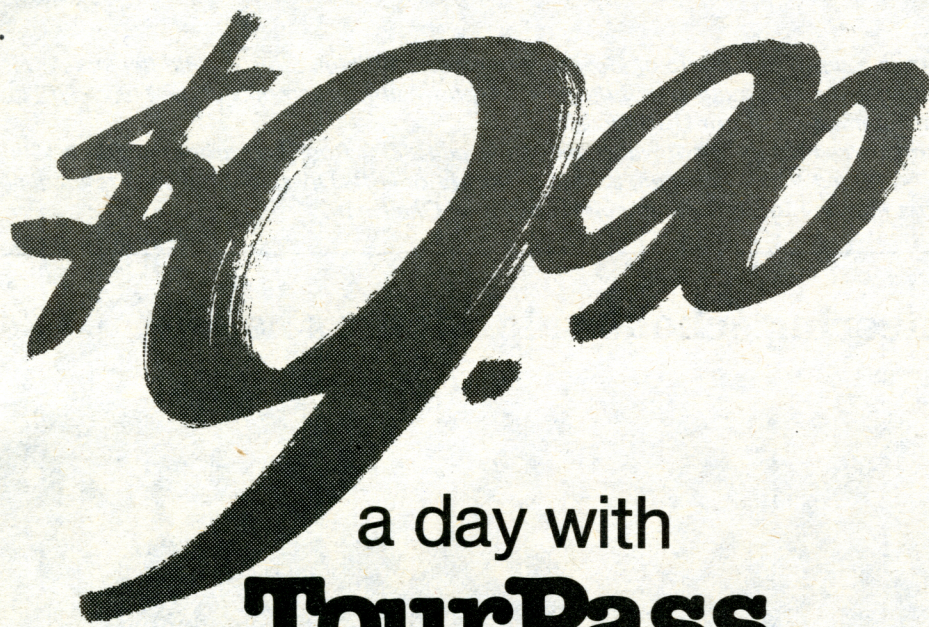
only corrosive, but causes blistering and burns.

Although Hoa's sensors can detect early acoustic emissions in a variety of materials, the Concordia researcher says his studies "have been particularly effective in pinpointing structural flaws in composites such as fibre-reinforced plastic."

Composed of glass or carbon fibres and epoxy or polyester resins, these reinforced plastic materials are resistant to corrosion, and are thus ideal for transporting liquids that corrode the metal tanks used to haul oil, chemicals, and even seemingly harmless substances like milk.

The applications and implications of Hoa's work go far beyond trucks, however. Fibre-reinforced plastic composites are also found in automobiles, aircraft, satellites, and even some components on the space shuttle. In every case they are used because of their considerable strength, stiffness and

ONTARIO/QUÉBEC

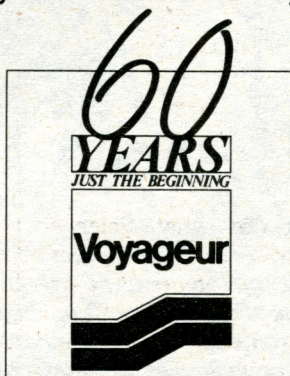


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Seminar

"Gazotechnologies appliquées au chauffage"

May 5 and 6, 1988
Concordia University
848-3200

Organized by Centre des études sur le bâtiment, Gaz Métropolitain Inc., and Trans Québec et Maritimes.

Sixth in a series

Finding their place

Science College emphasizes interdisciplinary approach — 'a broader perspective'

by Ross Rogers

There's only one place at Concordia where you'll find students engaged in studying the flocking behaviour of finches and X-ray crystallography under one roof. And that's the Science College.

Today, it remains one of the few institutions in North America to provide students with a program that explores the intellectual and social context of science. "We attract some of the most gifted students in the science field to this school," says Principal Geza Szamosi. "What they get here is not just a specialization in any one discipline, but a broader perspective."

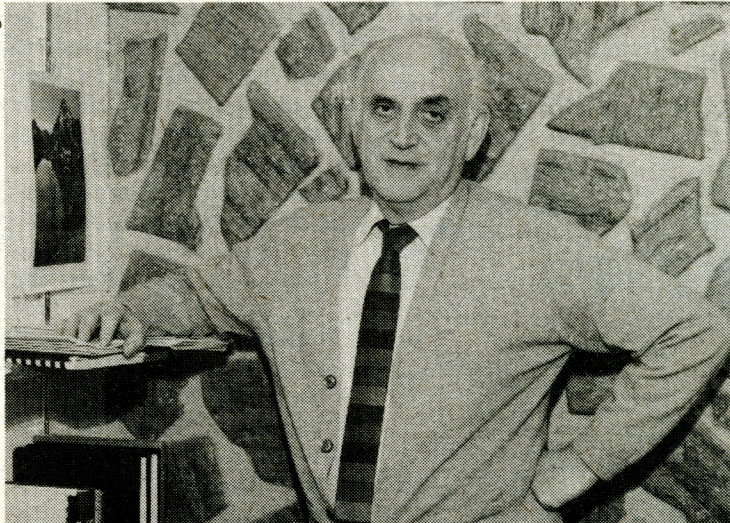
With a limited annual enrollment of about 30, the Science College lures biology students who aren't afraid to venture into geology, or physicists who may want a relevant peak at botany.

"What we *don't* want to do is limit a student's curiosity in other fields in his or her first year of university," explains Szamosi. Students at the college are actually encouraged to study outside of their major disciplines. And that includes their annual research projects, an attractive feature for those seriously considering the Science College as an alternative to a regular Bachelor's degree.

Learning research valuable

Under the supervision of a Fellow, students are required to work on practical laboratory projects or literature studies. It is here, says Szamosi, where they get their first taste of what science is really all about. "Students who succeed in this college learn to appreciate the value of scientific research," he says. Although their projects may seem a little esoteric to

Charles Bélanger



Principal Geza Szamosi: "We attract some of the most gifted students in the science field to this school."

people outside the realm of science, they are what gives the college an above-average academic status.

Louis-Eric Trudeau, a first-year Psychology student, liked the idea of being able to do research in a field outside his own. "I got my first introduction to Behavioral Psychology here," he says. "Nowhere else would I have received a more global picture of science. I didn't want to specialize too soon."

What first attracted him to the Science College was a chance to study what he

in biology ought to know the current best-sellers in the field. "From an interview, we can learn vital things about a student. If he or she doesn't know

much about the relevant field, then we probably wouldn't consider them as an ideal candidate," he says.

But it's not just academic polish that the school boasts as one of its virtues, according to Szamosi. One of the Science College's major claims to fame is what he calls the "only real Cultural Event about Science in Montreal" — the Distinguished Lecturers Series. Among the prominent speakers this year were David Parnas of Queen's University, who claims the U.S. "Star Wars" project is a "hopeless enterprise," and U.C. Berkeley Professor John Searle on "Minds, Brains and Computers."

Students interested in the Science College may obtain more information at Room H-1260, Henry F. Hall Bldg, tel. 848-2595.

'Back' to Science

Since back injuries are the leading cause of employee absenteeism after the common cold and cost the North American economy more than \$1 billion annually in off-sick costs and workman's compensation, it is no wonder that Serge Gracovetsky was a well-received speaker at this year's Science College Series.

A few years ago, the Concordia mechanical engineer began research into the nature and function of the human spine. Out of this work he has developed an innovative theory of spinal function, which he calls the "spinal-engine theory."

The innovation of Gracovetsky's work is based on his conception of the spine. Traditionally, the medical community has thought of the spine as a simple stress-bearing structure, like a stiff rod connecting the shoulders to the pelvis. Gracovetsky says this theory has been disproven many times in medical research. He adds, however, that a clear idea of how the spine works has never surfaced to supplant it. He believes this has led to the current state of confusion that surrounds the diagnosis of back problems.

According to his spinal-engine theory, the spine acts as the basic motor of all body movements. Far from being rigid, it is like a bent rod that is subject to many different stresses. These stresses put pressure on the spine, creating motions that control other bones and muscles in performing basic body movements like bending, lifting and walking.

For example, Gracovetsky says walking has very little to do with the legs. Instead, he says, it is essentially a twisting motion occurring in the spine from downward pressure created by shifting body weight. This twist rotates the pelvis, which makes a forward motion that is amplified by the legs.

Gracovetsky has used his theory to develop a machine called a spinoscope for the diagnosis of back disorders. The spinoscope is a tracking device; it monitors and identifies the motions of the spine and related muscles during the execution of simple tasks like walking, bending and lifting.

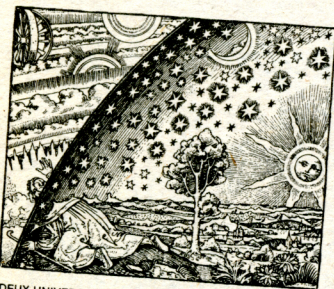
He has also developed an artificial intelligence expert system to diagnose back problems during routine medical examinations.

— Cooper Langford Jr.

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AND THE POLITICS OF CREATION -
FROM SCOPES TO ARKANSAS

by
Dr. Stephen Jay Gould

SCIENCE COLLEGE
PUBLIC LECTURE SERIES



THE SPINAL ENGINE

by
Prof. S. Gracovetsky
Concordia University
Diagnospine Research Inc.

TIME: 6:30 P.M.
DATE: Thursday, January 28th, 1988
PLACE: Room H-110
1455 de Maisonneuve Blvd. West

Information: 848-2595

CONCORDIA UNIVERSITY

Politics and art: the work of Gary Geddes

Art is political, says Creative Writing prof

by Robert Hargadon

To some people art and politics are two mutually exclusive areas which are best kept separated. This is a view which is not shared by Gary Geddes. Geddes, an award winning poet, teaches English and Creative Writing at Concordia.

In his writing and his teaching Geddes has put into practice the philosophy that "the mere making of a work of art is a political act. It's an affirmation of human dignity and the human imagination. It's a recording of those precious things that people love in life."

Geddes is a man who puts his muse where his mouth is. A prolific author, he has tackled subjects as diverse as life in Pinochet's Chile and the fate of Canadian soldiers sacrificed in Hong Kong during the Second World War. His works have won numerous distinctions including the E.J. Pratt Medal and the America's Best Book Award. However, it is a collection of his poetry entitled *The Acid Test* which contains what Geddes feels is perhaps his finest work: the haunting "Sandra Lee Scheuer."

In "Sandra Lee Scheuer" Geddes tells the story of a young student killed at Kent State University by the Ohio National Guard in 1970. It is a poem which he wrote while writer in residence at the University of Alberta. As Geddes tells it, he was out for a walk one evening when he decided to stop and browse in a second-hand book store. He noticed a book by the American journal-

'Art must bear witness to its own time'

ist I.F. Stone on the Kent State shootings. After six years of trying to write a poem about Kent State, the story of Sandra Lee Scheuer provided him with a vehicle. The poem, written in one evening, drives home the tragedy of Kent State by treating Sandra Lee Scheuer as a young woman who loved to roller skate and was studying to be a speech therapist rather than as a name from the news.

In the work of Gary Geddes however, slogans and party politics have no place. Rather, he is concerned with what he calls "strategies for survival." "My poems are political," says Geddes "but not in a partisan way. My poems are concerned with those instances where the system rides roughshod over the individual and the individual is destroyed by an intransigent system." Concern for human rights, coupled with a belief that "art must bear witness to its own time" recently led the poet to visit Pinochet's Chile.

Important impact

Arriving shortly after the burning of Carmen Quintana and, ironically, the Papal visit, Geddes feels that his trip to Chile has had an important impact on his work. "Up to that point I had been only a historical spectator to war and revolution," recalls Geddes. "Suddenly I was ushered into the real thing." At rallies and

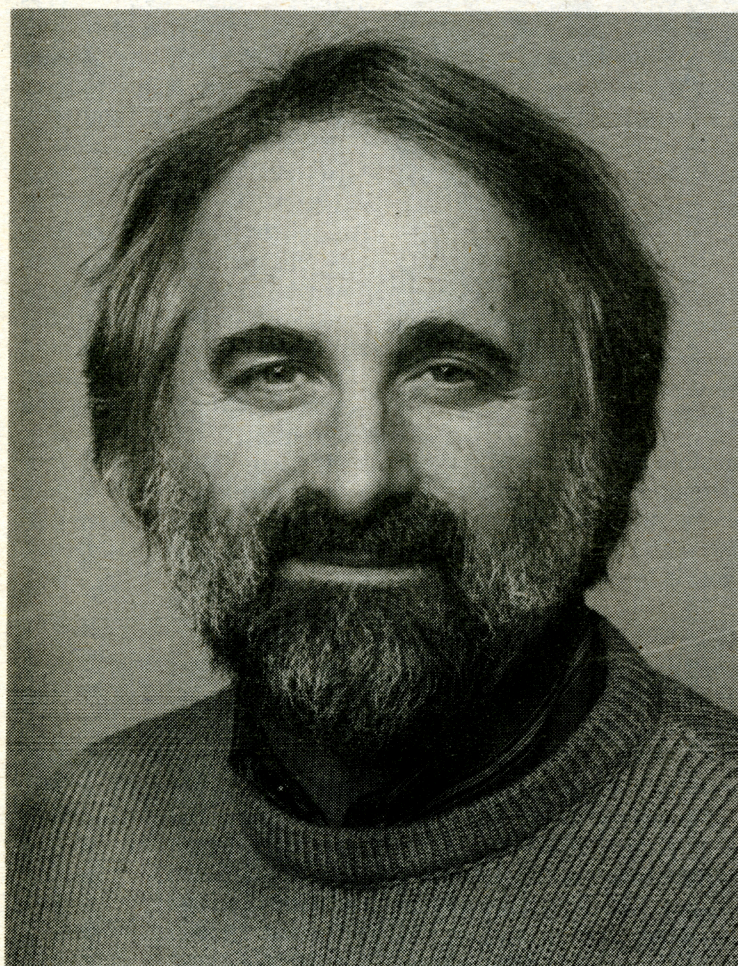
meetings he heard stories of the murder and torture carried out by the Pinochet regime. He saw the armoured personnel carriers known as "butcher shops" and the rows of unmarked graves. The results of the trip are a series of poems recently published by *Border Crossings*, a magazine based in Manitoba.

Summing up his feelings on the relationship between art and politics, Geddes concludes "I don't think any good artist

has been able to ignore the political realities of his or her time."

In his teaching Geddes tries to communicate this to his students. He advocates the role of the artist as social critic whose job it is to ask questions and "point out that the status quo is not good enough."

Agitation is what Gary Geddes has in mind for his art. He tries to pass on a little of this philosophy.



Charles Belanger

Gary Geddes: "I don't think any good artist has been able to ignore the political realities of his or her time."



Attention:

ALL FALL 1988 CERTIFICATE, DIPLOMA, BACHELOR'S, MASTER'S, AND DOCTORAL DEGREE CANDIDATES:

If you are completing the requirements for your certificate, degree, or diploma program this Summer and therefore expect to be considered as a graduation candidate this Fall, YOU must inform the Graduation Office by submitting a Fall 1988 Graduation Application no later than July 15th, 1988.

STUDENTS WHO DO NOT APPLY BY THIS DATE WILL NOT GRADUATE THIS FALL

Obtain your form from the Registrar's Services Department on your campus and submit it today!

(Loyola AD211)

(SGW N107)



Faculty of Fine Arts Research

Faculty in the Department of Art History are involved in research that includes the publishing of books, journals and catalogues; curating exhibitions; and the field work entailed in archaeological excavations. Below are explained some of the Department's activities.

... For the fifth season, Associate Professor Jean Belisle is preparing an archaeological excavation of the steamboat Lady Sherbrooke (1819-1926), which is near Ile Charron. The research compiled will become the topic of an exhibition entitled *The Lady Sherbrooke and the Steam Revolution in Canada*, which Prof. Delisle will be curating for the David M. Stewart museum, scheduled to open in December 1988.

... Associate Professor Ellen James is currently research coordinator for an exhibition and its accompanying catalogue on the Architecture of Edward (1867-1923) and William (1874-1952) Maxwell, to be presented at the Montreal Museum of Fine Arts. This project involves seven other scholars and their effort will be a major retrospective, consisting of more than 175 works including architectural drawings, photographs, sketchbooks, notebooks and furniture. It will travel across Canada in 1991.

... Associate Professor Laurier Lacroix will deliver a lecture on "Painting in Canada" at the Symposium "The Arts in Canadian Society During the Age of Laurier" on Saturday (April 9) at the Edmonton Art Gallery. The event is organized in conjunction with the exhibition *The Canadian Art Club 1907-1915*. He is also preparing an exhibition to be held at the Quebec Seminary Museum in the fall of 1989 on the Desjardins Collection. It is organized in commemoration of the Bi-Centenary of the French Revolution.

... Associate Professor Sandra Paikowsky was invited to give the prestigious McCready Memorial Lecture in Canadian Art History at the Art Gallery of Ontario last November. Her talk focused on Goodridge Roberts and the influence of New York on his work.

... Warren Sanderson's three-year SSHRC grant research is coming to a conclusion and the result will soon be published. It is scheduled to appear in 1990 simultaneously in English and German. It consists of a three-volume work on late ninth-century painting in Lorraine, studying the murals at Trier executed between 888 and 892, and establishing relationships with other art works, such as manuscripts and ivories. It will show the theological and royal rationales expressed in the frescoes. It will also shed light on the identity of the artist who painted the murals — his connection with northern French ateliers and the late Carolingian royal courts. Prof. Sanderson has also prepared three book reviews to appear in the *Journal of Architectural Education*, *Speculum*, *A Journal of Medieval Studies*, and *Racar*.

• Submitted

Up on the roof:

The greening of the concrete campus

by Heather Solomon

There is a chink in the armour of the downtown "concrete campus." To find it, you have to take the elevator to the 12th floor, walk up 23 stairs to the next level, teeter over a raised threshold and follow your nose to the left. There, an open door blazes with light like that of an extraterrestrial presence.

Beyond the door is the smell of moist earth, sunshine and growing things, and the sometimes-private kingdom of its keeper, Hervé de la Fouchardière.

He introduces himself by way of the Concordia Greenhouse mascot, which stands in a tub by the door, a six-foot-high Croton plant with large red leaves and long stems.

"It's 20 years old," says de la Fouchardière. "I started it when it was only a few inches high two years after I got here."

In September 1966 the Henry F. Hall Bldg. was in the final stages of construction; de la Fouchardière, who arrived in Montréal from France in 1962, gave up his job as a horticulturalist at Montréal's Botanical Gardens to work for the (then) Sir George Williams

Biology department in the new greenhouse.

The Greenhouse Technician, as is his official title, has his office under the huge tuberous-looking air conditioning pipe off the greenhouse corridor. He can be more often found in one of the 10 self-sufficient compartments that line the glassed-in 140-foot frontage on the Mackay Street side of the building, lovingly tending plants, flowers and even a carnivorous *Dionaea Muscipula* which takes its name from the jaws of the mussel. Its spiny green lips close over an insect, inject it with a chemical and absorb the poor creature in a two- to three-day digestive process.

Not all of his charges are as aggressive. A compliant rubber tree always holds open the door of the "Tropical" department for him. And a pink-flowering mimosa (different from the more common yellow one) loves to be tickled: de la Fouchardière runs the smooth back of a key along its fronds and they gracefully close like a lady's fan, a protective action also triggered by wind and water.

There are plenty of both in the greenhouse compartments.



Charles Bélanger

Hervé de la Fouchardière, keeper of Concordia's accessible (between 2 and 4 p.m. weekdays) green kingdom atop the Henry F. Hall Bldg., shows off his pineapples.

"Let me demonstrate," offers de la Fouchardière, flicking one of the numbered levers on a simple electronic device made up of a switch panel and an

LED alarm clock.

Compartment two, filled with lush, tropical plants and oversized flowers, becomes a rain forest in the downpour. The indoor showers of each individual compartment are programmed to repeat each day; moisture that pools on the concrete floor then evaporates, providing humidity for the plants.

Drains siphon off excess water and a waterproof membrane beneath the greenhouse floor protects the storey below.

In addition to sprinklers, each compartment has motorized roof panels that are constantly whirring open and closed, allowing fresh air to cycle in when the sun's rays become too hot for the monitored temperature.

When he's not watching the weather, de la Fouchardière is preparing plants and flowers for the year's demonstrations, labs, experiments, research and exhibitions, following schedules provided in late summer by professors and graduate students in the fields of Botany, Biochemistry, Microbiology, Plant Physiology, Anatomy and even Zoology.

Up to 50 students at a time can line up along the white lab countertop in the corridor alongside the row of greenhouse compartments. The first three compartments hold "Cold Weather" plants (kept at

a minimum temperature of 5°C.), "Temperate" (15°C.) and "Tropical" (20°C.) specimens. The next is a potting room with a sink, a woodbin of earth and shelves of neatly-stacked clay pots and plastic domes.

And of course there is a "Québec" compartment, which recreates the boggy forest conditions ideal for low-growing *Chrysosplenium*, and compartments nurturing experiments on plant photoperiods, tissue cultures, enzymes, herbicides, hormones and water retention. Growing chambers, like giant turquoise ovens, are grouped at the far end. This "concrete campus" provides all the flowers such as impatiens, geraniums, petunias and begonias for the rolling gardens of the west-end campus, as well as for planters downtown.

Open to public

The wider University community and the general public not only enjoy viewing greenhouse products out-of-doors at the two campuses, but have access to the source itself every day between 2 and 4 p.m. "Five or six years ago I had a plant sale to raise petty cash to pay for maintenance to the greenhouse," says its keeper. "It went so well that it is ongoing; I have customers every day of the year except when I'm on vacation."

Strong reaction to report

Recommendations in for raised tuitions, time restrictions

by Roberta Belfer

The Council of Universities latest report has evoked strong reaction at Concordia. The Council, an advisory body to the Minister of Higher Education and Science, includes among its recommendations a suggestion that tuition fees be increased.

It also suggests that the bursaries of students who don't complete their studies on time be reduced, and that the number of bursaries allocated to MA and PhD students be doubled. The Council recently submitted the report to the Minister, Claude Ryan.

Rewards some, penalizes others

According to Maxine Clarke, outgoing CUSA co-president, these recommendations do not bode well for university students, specifically part-time students who work to finance their studies.

Referring to the Council's

suggestion to penalize students who do not finish on time, Clarke says bluntly, "This rewards students who have money and penalizes students who don't. It encourages the privatization of education and indicates the government's priorities — cutting its deficit and pushing students into the corporate world."

Clarke adds that the report is particularly significant for Concordia, which "has a different student clientele than McGill and other universities. Concordia has many part-time students. So it is especially important for the University to protest."

Mixed feelings

Roger Côté, Director of Concordia's Financial Aid Office, has mixed feelings about the Council's report, but believes some of the recommendations are advantageous to students, such as reducing students' loans at the end of their studies. However, Côté

adds, "the idea of a student loan remission is not spelled out clearly. That's the problem with much of the report."

Côté would "welcome a thorough analysis of the figures and conclusions advanced." Though not critical in the same way as Clarke, Côté believes there is a difficulty with the report's emphasis on students finishing their studies within a prescribed period.

He says that the report must assess how awarding loans and bursaries on the basis of completing studies will affect part-time students who need to work.

Complex situation

"The situation is a complex one and a greater examination is required of the reality of students' needs, such as examining the position of students deemed dependent but not receiving assistance from their parents. This is recognized by the Council but not addressed," Côté says.

LETTERS

(Ed: The following letter, a copy of which was sent to TTR for publication, was addressed to Rector Patrick Kenniff.)

Dear Dr. Kenniff:

I am writing this letter to clarify my reason for leaving the Learning Development Office and Concordia University. If this letter can make a modicum of difference for the remaining employees then it will have served its purpose.

I have been an employee at Concordia University for 10 years. On May 9, 1986 my S4 position was suggested for reclassification without reservation by Mr. Colin Waters who stated, "We have reviewed the job description submitted. There is little in it related to our current perception of the position of 'Secretary'. It is rather a 'Coordinator' role with more than a modicum of freedom of action and responsibility." (This being decided upon with none of the secretarial duties being added on the job description.) It was therefore approved as an O5 position, suggested

title being "Course Evaluation Coordinator." On June 20, 1986 I left on a one-year leave of absence due to burn-out and job-related stress. My position was replaced with an internal temporary secretary. The remaining duties pertaining to the O5 position were absorbed by the Director and Assistant Director of Learning Development, thus requiring one full-time secretary and two casual helpers to fulfill the needs of the Office.

During my leave there was no thought of extra staffing or reorganization of staffing at LDO although there was full awareness of the growing demands and added duties allotted over the past few years.

Upon my return I requested my full-time O5 position be reduced to three days a week, working five days a week approximately three-to-four months a year, as well as a new position of full-time secretary/assistant be created to help with the ever growing demands of the Office. This was agreed upon by the Director who

devised a full report and request for the new position and restructuring of the Learning Development staff. The report and request were mailed to Vice Rector Dr. F. Whyte on October 5, 1987.

For the past five months I have been required to work as both Secretary and Course Evaluation Coordinator. One would need to know the actual functions of the Office to understand the full meaning of such a task. Our Office is responsible for evaluating 4,815-to-5,000 courses per year (all procedures being done for each term separately), consisting of approximately 180,000 questionnaires, of which there are 74 varieties, in addition to workshops, Teaching Development Grants, budgets, daily letters, monthly newsletters, to name but a portion of LDO activities.

To the date of my resignation we had not had word on the submitted request for the new position. We were told, however, that the Vice Rector was uncertain as to the future of Learning Development and therefore could not make an immediate decision one way or the other. This explanation sufficed for a certain amount of time. I do feel, however, that five months (and however longer it would have taken) is too much to ask of anyone. There was no suggestion of allocating extra funds in the LDO budget to allow for added secretarial help to ease the burden of my position.

I feel I must declare my anger at the fact that very shortly after my resignation had been given in, and the actual impact of pressure felt by someone other than this employee, both positions were approved. It is incredible how administrators move when the pressure is on themselves.

I found it appalling at the realization and lack of consideration Concordia employees are capable of receiving from the administrators. I was a good, loyal employee, receiving "outstanding" on performance appraisals.

Someone should remind the administrators of this University that it is the employees behind them who keep them going.

Norma DiGiglio
Course Evaluation
Coordinator
Learning Development
Office

The following is Rector Patrick Kenniff's reply to Ms. DiGiglio:

Dear Ms. DiGiglio,

I am in receipt of your letter, and would like to comment upon its contents.

In outlining the reasons for your decision to resign from the Learning Development Office, you refer to a five-month delay in the implementation of a plan which would have acknowledged a distinction between the secretarial and coordinating components of your position, and would have permitted you to move into the resulting part-time position of Course Evaluation Coordinator. My consultations with the Vice-Rector, Academic confirms that this was indeed the case, but also he has informed me that these staffing issues were tied in with a more general consideration of future directions for the Learning Development Office, particularly as they pertained to the course evaluation system. It is my understanding that you resigned during the drafting of a report which sought to integrate the results of numerous discussions which had taken place between Dr. Ron Smith and Dr. Francis Whyte over a one-year period. As you know, the final report (submitted in

February 1988) has led to the restructuring of staffing requirements along the lines you had sought.

I can only express my regret that you were unable to continue in your duties until such time as the report from the Learning Development Office had been submitted. The administration of this University is committed to providing the most effective educational service it can under what we all recognize to be trying financial circumstances. As a result, it has embarked upon a careful planning process which seeks to ensure that the ramifications of all decisions are fully understood. This process is not a simple one, and it does take time, especially in a University lacking sufficient funds to staff even day-to-day operations. Nevertheless, if it is successful it will mean that we comprehend more fully the manner in which units are structured and will be able better to respond to the contributions and aspirations of all those who work at Concordia.

Patrick Kenniff
Rector & Vice-Chancellor

Scholarships & Awards

April 1988

The following list includes scholarships and awards with deadlines during April. More information regarding these scholarships and awards is available in the Guidance Information Centre, H-440, Sir George Williams Campus.

AMERICAN LIBRARY ASSOCIATION. LITA/CLSI Scholarship in Library and Information Technology. Early April, 1988.

CANADA. CENTRAL MORTGAGE & HOUSING. Graduate Scholarships in Urban & Regional Affairs. University Scholarships. External Research Program-Housing Research. April 7, 1988.

CANADA. DEPARTMENT OF JUSTICE. Legal Studies for Aboriginal People/Accès aux études de droit pour les autochtones. April 15, 1988.

CANADIAN NATIONAL INSTITUTE FOR THE BLIND. Ross C. Purse Doctoral Fellowship. (For Research and Studies in the Field of Blindness in Canada). Early April, 1988.

CANADIAN NURSES FOUNDATION. Awards. (For graduate study in nursing, open to members of the Canadian Nurses Association.) April 15, 1988.

GREAT BRITAIN. CAMBRIDGE UNIVERSITY. Chancellor's Fund and Cambridge Commonwealth Trust Overseas Student Bursaries. April 29, 1988.

GREAT BRITAIN. CAMBRIDGE UNIVERSITY, PETERHOUSE HOUSE. Research Studentships & Bursaries for Overseas Affiliated and Graduate Students. Early April, 1988.

GREAT BRITAIN. THE INSTITUTE OF CHARTERED SECRETARIES AND ADMINISTRATORS. Postgraduate Exhibitions. (Tenable in G.B. only. Open to Commonwealth citizens.) April 30, 1988.

INTERNATIONAL UNION FOR VACUUM SCIENCE, TECHNIQUE AND APPLICATIONS. Welch Foundation Scholarship. April 15, 1988.

ONTARIO. MINISTRY OF HEALTH. Health Personnel and Research Grant Programs. Early April, 1988.

ROYAL CANADIAN GEOGRAPHICAL SOCIETY. Research Grant. April 30, 1988.

ST. JOHN'S COLLEGE. Colin Inkster Memorial Awards for Graduate Study. Early April, 1988.

U.S.A. ALEXANDER GRAHAM BELL ASSOCIATION FOR THE DEAF. Undergraduate. Scholarship awards for Profoundly Deaf students. April 15, 1988.

U.S.A. P.E.O. SISTERHOOD. International Peace Scholarship Fund. (Tenable in Canada or the U.S., for women only.) Early April, 1988.

U.S.A. SOIL CONSERVATION SOCIETY OF AMERICA. Donald A. Williams Soil Conservation Scholarships. Scholarships in Conservation. Early April, 1988.

U.S.A. SOIL CONSERVATION SOCIETY OF AMERICA. Kenneth E. Grant Research Scholarship Fund. Early April, 1988.

UNIVERSITY OF ALBERTA. CANADIAN INSTITUTE OF UKRAINIAN STUDIES. Undergraduate Scholarships; Master's and Doctoral Fellowships. Research Grants. Neporany Postdoctoral Fellowship. Early April, 1988.

SMOKE

continued from page 2

force, says that separate lounges of the kind suggested by the CCAC would be difficult to provide at Concordia. "With the type of ventilation system we have now," she says, "the cost would be very high."

Baldwin agrees that "there is quite a lot of sentiment in

favour of a total ban." But, she adds, "there are employees and students who smoke. Some individuals feel strongly about their right to do what they want in their own space."

The limits on smoking that exist at present have been brought in through community pressure, she says, and any future regulations will have to be enforced by the community.

On illiteracy and prejudice

Concordia professors establish link in B'nai Brith report

by Susan Gray

In late January, the League for Human Rights of B'nai Brith Canada's fifth annual *Review of Anti-Semitism*, featuring a four-year Environics attitude survey of 8,148 Canadians, aroused the interest of the Montreal and national news media. Analysis of the survey showed that, among other things, anti-Semitism and prejudice decrease with education.

But Frank Chalk, editor of the *Review*, Quebec chair for the League and an Associate Professor of History at Concordia, says that the purpose of the Environics survey which produced this result was "to measure the trend in latent prejudicial attitudes towards minority groups and to see whether they are on the rise, on the decline, or stable. It is not a direct measure of anti-Semitism."

Chalk does believe, however, that there should be a major initiative by the federal and provincial governments to reduce the level of adult illiteracy.

A professor at Concordia since 1964, Chalk edited the report together with three other Concordia professors, Taylor Buckner, Stephen Scheinberg,

and Kurt Jonassohn. One of Chalk's personal areas of research, genocide, dovetails with his work on the *Review*.

In addition to an analysis of the Environics results by Buckner, the 1987 *Review* featured a

report on anti-Semitic incidents. It was based on information which was gathered largely through a well-established network in Quebec and Ontario. An article on Jewish and Ukrainian-Canadian involve-

ment with the Report of the Deschenes Commission on War Criminals in Canada, and one on the Malcolm Ross Affair — involving a teacher who publishes anti-Semitic propaganda in New Brunswick — are also included. Chalk says that in future the *Review* will begin to devote more attention to ethnic prejudice towards groups other than Jews.

Problems with reporting

The League knows that there are many problems with a survey like the incidents report, e.g., fear of reporting, not recognizing an incident as

being racist, and ignorance of who one should report it to. It even points out the difference between the methodology of the incidents report and the "rigorous scientific analysis" of the Environics survey, giving the margin of error for the latter. The two kinds of incidents included in the report were vandalism and harassment. Looking at the number of incidents over the total five-year period covered in the report, the only year which showed a rise was 1984, and the last two years indicate a downward trend.



Frank Chalk

Charles Bélanger

Concordia University 1988 Spring Convocations Information to Potential Graduates

This year the Convocations will be held at Place des Arts, as follows:

Thursday, June 9
ARTS & SCIENCE*
Salle Wilfrid-Pelletier
10:00 a.m.

Thursday, June 9
ARTS & SCIENCE*
Salle Wilfrid-Pelletier
2:30 p.m.

Monday, June 13
COMMERCE & ADMINISTRATION
Salle Wilfrid-Pelletier
2:30 p.m.

Tuesday, June 14
ENGINEERING & COMPUTER SCIENCE
Théâtre Maisonneuve
10:00 a.m.

Tuesday, June 14
FACULTY OF FINE ARTS
Théâtre Maisonneuve
2:30 p.m.

*Letters forwarded to successful candidates in the Faculty of Arts & Science will clearly indicate the time of Convocation on a personal basis.

Students are advised to check with the Students' Accounts Office to ensure that all student fees, library fines and graduation fees have been paid. Students are requested to pay their accounts with a money-order, certified cheque, or cash. All outstanding accounts must be paid by May 13, 1988. Graduates with outstanding accounts will not receive degrees, official transcripts or be permitted to participate in convocation ceremonies until all outstanding accounts have been cleared.

Any graduate requiring special services during the convocation ceremonies (i.e., escort, special seating, etc.) because of a physical handicap, please contact Ann Kerby, Co-ordinator of Handicapped Services, at 848-3501.

Students will be notified by letter in late May of the successful completion of their degree program. This letter will also give information about academic dress, tickets and convocation procedures.

**Kenneth D. Adams,
Asst. Vice-Rector &
University Registrar**

Senate news March 25, 1988

by Barbara Verity

The 1988-89 provisional operating budget for Concordia calls for a slightly lower annual deficit than last year, Maurice Cohen, Vice-Rector, Institutional Relations and Finance, told Senate at the March 25 meeting.

Presenting the budget to senators, Cohen said the University is aiming to increase revenues through wise investments to reach a balanced budget in the near future and eventually to pay off the accumulated deficit.

The 1988-89 deficit is predicted at \$4.4 million. Last year's deficit, predicted at \$5 million, will be \$4.57 million.

The accumulated deficit for 1987-88 is \$36 million, expected to rise to \$40.4 million at the end of 1988-89.

Cohen said the provisional budget is tight, and includes significant new expenditures, which were held in line as much as possible.

The budget will be discussed in greater detail on May 6, the next meeting of Senate.

M.N.S. Swamy, Dean of Computer Science and Engineering, had his own particular protest to make at the Senate meeting. Umbrellas are needed to cope with rain falling into his offices from the chemistry labs overhead, where occasional floods occur from misuse and breakdowns, he said. However, the situation is no longer funny since his faculty's high-tech equipment is endangered, he added. Sandra Paikowsky, Director of the Concordia Art Gallery, said she is also 'rained' upon at times.

Charles Giguère, Vice-Rector, Services, said the cost of waterproofing the chemistry labs would be \$80,000.

A motion to approve guidelines for the evaluation by Senate of research centres at the University hit a snag when several senators expressed res-

ervations. The guidelines were tabled and sent back to the Steering Committee.

Other issues brought up by senators were departmental trusteeship, the lack of time between the end of classes and the start of exams, and the constant state of repair to escalators in the Henry F. Hall Bldg.

Vice-Rector, Academic, Francis Whyte announced that Higher Education and Science Minister Claude Ryan has given final approval to Concordia's new Master's in Child Studies.

In other Senate business, the criteria for awarding the Alfred Pinsky Medal in the Fine Arts Faculty were approved; Contemporary Dance received the go-ahead to become a department within the Fine Arts Faculty; and the name of the Mathematics Department was changed to the Department of Mathematics and Statistics.

Ethical guidelines come to the fore

Research subjects protected at Concordia

by Bronwyn Chester

The *Guidelines on Research Involving Human Subjects 1987*, just released by the Medical Research Council of Canada,

Committee studies proposals

Concordia has had a Human Research Ethics Committee since 1975. All research entities involving humans — whether through a marketing study, a social history project involving interviews or a psychology study — must submit their research protocol to the committee. Not only the MRC, but all granting agencies require certification of ethical acceptability from the University ethics committees.

Concordia's five-member committee is comprised of faculty from natural science, social science, humanities and two from psychology. The specific disciplines change from year to year. This year's members are from Education, Psychology, Religion, Exercise Science and Applied Social Science. Where necessary, the committee's medical consultant or two ad hoc members are consulted.

If there is unanimous approval of the protocol, the researcher can proceed with the grant application. If not, she or he is asked to make the necessary changes and resubmit the protocol.

"Last year the committee received 85 to 100 grant applications with a small percentage of these returned to the researcher for clarification or amendment," says committee secretary Audrey Williams.

Committee chairman William Brender, an associate professor in Psychology, says that in his seven years as chairman he's seen a "growing sensitivity to the rights of human subjects."

"We are very careful about the conditions of research involving humans."

— BC

are "aimed at promoting the development of 'ethical awareness' among researchers, research ethics boards and the community at large," says the council's press release.

But Concordia Professor of Bioethics David Howes says the guidelines don't really do this. They do a good job explaining how to ethically implement certain research procedures but fail to address the ethics of the research itself.

Howes, an assistant professor on a joint appointment in the departments of Religion, Sociology and Anthropology, says "the guidelines set the outer limits to research but they are procedural instead of substantive."

He commends the Medical Research Council's (MRC) detailed section on informed consent. Informed consent refers to the informing of potential research subjects, to the extent possible, so that they can "make their decision on whether to participate at leisure and in complete freedom from any pressure."

"The whole point of informed consent is that the subject knowingly assumes the risk legally," says Howes.

But the council admits that "practically speaking, this is rarely possible." Where deception is necessarily involved, such as in behavioral or psychological research, and anywhere placebos are involved, the guidelines acknowledge the need for deception but list five points of scrutiny including: "Deception should be permitted only when it is possible to inform and 'debrief' subjects afterwards and to obtain subsequent consent to use the data obtained."

Deception guidelines

"The section on deception is one of the more admirable parts of the guidelines," says Howes. "They actually address it."

But just how much the researcher informs the subject is another question — one that comes up frequently for debate in Howes' Religion 632 class. Research Ethics Boards (composed of laypeople, researchers, sometimes lawyers, and ad hoc experts in the area of research under discussion), required by any institution seeking MRC funding, say that the researcher must "disclose the risks that a reasonable person would want to know," says Howes. He explains that if

there is a one in 10,000 chance of something happening it wouldn't be disclosed even if the particular individual might consider it 'reasonable' to know all the risks.

"One ironic thing," says Howes, "is that the guidelines say 'the patient is always entitled to the best clinical judgment of the physician, and research considerations must never displace this.' So they draw a distinction between therapy and research. But the fact is that in a teaching hospital you always have the research aspect so this is one element they don't deal with."

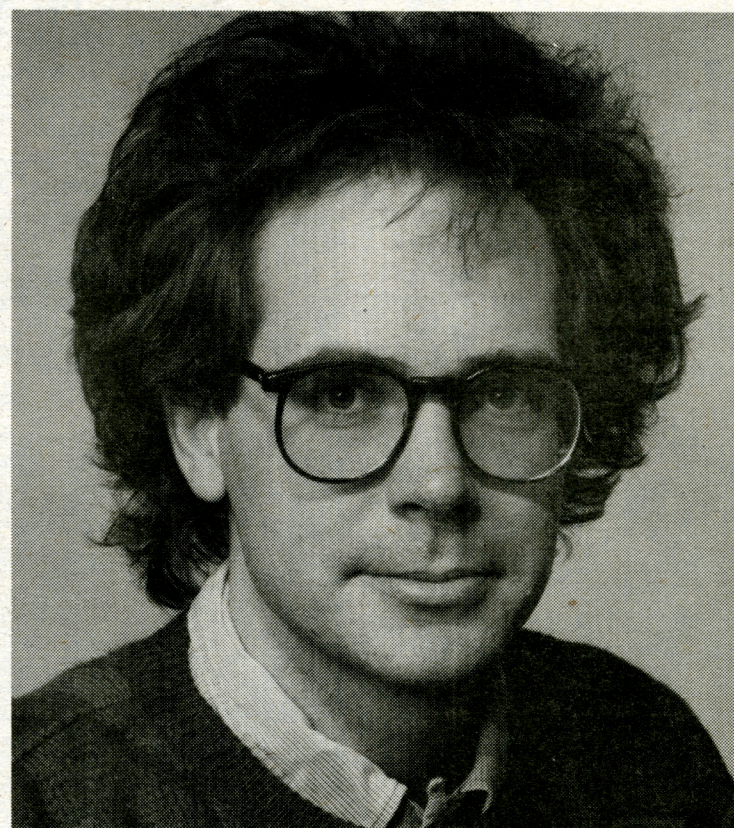
The MRC also avoids dealing with the ethics of allocation of money, he says.

The guidelines state that "the allocation in society of scarce organs or costly devices and procedures raises ethical issues of growing and grave concern. However, this (MRC) Committee views these issues as relating more to therapy than to research, and hence does not address them in these Guidelines."

Having exotic — and expensive — health care such as transplants, says Howes, "is a question of allocation of resources; we have to prioritize between preventive versus curative care and the guidelines do not address this."

"Embryo research is the only substantive area dealt with in the guidelines," he says.

The guidelines state that research on embryos created *in*



Charles Bélanger

David Howes: "Guidelines are procedural instead of substantive."

vitro and no more than 17 days old "should be limited to research directed toward improvement of infertility management."

"In time, with the evolution of social and ethical values and further scientific development, REBs (Research Ethics Boards) and investigators might contemplate other embryo research for such purposes, for example, as genetic correction."

Howes says that as the progress in medical technology continues to present ethical

questions it is more and more important that the public be involved.

"The MRC says 'the highest possible sensitivity and moral standards must be applied to all research' but how are we to gauge that public perception when all we have is a few lay people on the REBs?"

He would like to see television shows, like the BBC's series on ethical decision-making, "taking bioethics into the living room and increasing public awareness."

Promotions...



Charles Bélanger

Theodore Stathopoulos (PhD — Western Ontario) has been

promoted to Full Professor. After joining the Centre for Building Studies in 1979, he was promoted to the rank of Associate Professor in 1982. He has been Associate Director of the Centre since 1983.

Dr. Stathopoulos has established an excellent teaching record at both the undergraduate and graduate levels and has also been active in the development of educational models. He has an outstanding research record with more than 80 publications in refereed journals and conference proceedings. His work in the areas of wind engineering and building aerodynamics has received national and international recognition.

Dr. Stathopoulos has established the Building Aerodynamics Laboratory at the Centre for Building Studies and has developed the "pneumatic-

averaging technique" for the measurement of area-averaged fluctuating wind pressures on buildings.

Theodore Stathopoulos' researches have received significant support from the NSERC (operation, equipment, strategic grants) and FCAR (operating and equipment grants).

He has participated actively in numerous international bodies including the ASCE Standards Committee of Minimum Design Loads for Buildings and Other Structures. He has been an invited speaker, chairman and rapporteur in short courses, national and international conferences taking place in Canada, the U.S., Europe and Australia.

Dr. Stathopoulos also has industrial experience, gained before his engagement in research work.

EVENTS

continued from The Backpage

CONCERT: Piano Recital with **Ryoko Mine** (Advanced Music Performance Studies) in works by Beethoven, Chopin, Liszt, Albeniz and Ravel at 8 p.m. in the Loyola Chapel, 7141 Sherbrooke St. West. West-end campus. FREE.

CAMPUS MINISTRY: CONCORDIA CHRISTIAN FELLOWSHIP Prayer Group, 11 - 12 noon, in Belmore House, 3500 Belmore Avenue. West-end campus.

SIMONE DE BEAUVOIR INSTITUTE: Workshop with Marianne Ainley (History of Science) on *WOMEN IN THE SCIENTIFIC COMMUNITY: MODEL* in MU-101, 2170 Bishop.

POSTPONED TO JUNE.

Wednesday 13

CONSERVATORY OF CINEMATOGRAPHIC ART: *Rue Cases-Nègres* (Euzhan Palcy, 1983) (French) with Garry Cadenat, Darling Leitimus, Joel Palcy, Douda Seck, Laurent Saint-Cyr and Marie-Jo Descas at 8:30 p.m. in H-110, Hall Bldg. \$2. Downtown campus.

LOYOLA FILM SERIES: *I am a Fugitive from a Chain Gang* (Mervyn Leroy, 1932) with Paul Muni, Glenda Farrell and Preston Foster at 7 p.m.; *North by Northwest* (Alfred Hitchcock, 1959) with Cary Grant, Eva Marie Saint and James Mason at 8:45 p.m. in the F. C. Smith Auditorium, 7141 Sherbrooke St. W. West-end campus. FREE.

DOCTORAL THESIS DEFENCE: Zhigang Fang, on *A STUDY OF THE STREAM FUNCTION-VORTICITY FORMULATION OF THE STEADY EULER EQUATIONS*, at 10 a.m. in H-769, Hall Bldg. Downtown campus.

CONCERT: The Student Chamber Music Ensembles, directed by Anna Szpilberg present works by Bottenberg, Defaye, Yves, Brahms, P.D.Q. Bach, and others at 8 p.m. in the Loyola Chapel, 7141 Sherbrooke St. West West-end campus. FREE.

Thursday 14

CONSERVATORY OF CINEMATOGRAPHIC ART: *Les Fous de Bassan* (Yves Simoneau, 1986) (French) with Steve Banner, Charlotte Valandrey, Laure Marsac, Bernard-Pierre Donnadiou, Lothaire Bluteau, Marie Tifo, Paul Hébert, Anèle Coutu and Guy Thauvette at 8:30 p.m. in H-

110, Hall Bldg. \$2. Downtown campus.

POETRY: PRESENCES - A poetry reading by Patricia Renée Ewing at 4 p.m., Lonergan University College, 7302 Sherbrooke St. West. West-end campus. FREE. For more information, call 848-2280.

CONCERT: Concordia Jazz Ensembles, Andrew Homzy, Charles Ellison, Dave Turner, Dave Clark and Simon Stone, directors, 11 a.m. - 4 p.m., in H-110, Hall Bldg. Downtown campus. FREE.

CONCERT: Final Jazz Studies Concert, Concordia University Big Band, Jan Jarczyk, director, at 8 p.m. in the F.C. Smith Auditorium, 7141 Sherbrooke St. W. West-end campus. FREE.

Friday 15

CONSERVATORY OF CINEMATOGRAPHIC ART: *Belizaire, le Cajun* (Glen Pitre, 1986) with Armand Assante, Gail Youns, Michael Schoeffling, Will Patton, Stephen McHattie and Nancy Barrett at 8:30 p.m. in H-110, Hall Bldg. \$2. Downtown campus.

COMMERCE AND ADMINISTRATION FACULTY'S PH.D. WORKSHOPS - Visiting Speaker Series: Dr. Rene Y. Darmon, McGill University, on *TO BE VAGUELY RIGHT OR PRECISELY WRONG: MANAGEMENT'S ALTERNATIVES WHEN ATTEMPTING TO CONTROL SALESPEOPLE'S EFFORT ALLOCATION*, 10 a.m. - 1 p.m., in GM 300-24, 1550 de Maisonneuve Blvd. West. For more information, call 848-2908 or 848-2943.

CONCORDIA CENTRAL AMERICA COMMITTEE: Slide show and discussion on *POPULAR RADIO IN EL SALVADOR*, as well as a video on *THE GROWING DEMAND FOR PEACE* at 7:30 p.m. in H-651, Hall Bldg. Downtown campus.

Saturday 16

CONSERVATORY OF CINEMATOGRAPHIC ART: *Benvenuta* (André Delvaux, 1983) (French) with Vittorio Gassmann, Fanny Ardant, Mathieu Carrière, François Fabian and Claire Wauthion at 3 p.m.; *Day and Night (Dan i noc)* (Lordan Zafranovic, 1968) (English subt.), *Free Interpretation (Slobodna interpretacija)* (Lordan Zafranovic, 1980) (English subt.) and *Blood and Ashes of Yassenovats (Krv i pepeo Yassenovca)* (Lordan Zafranovic, 1983) (English

subt.) at 7 p.m.; *The Fall of Italy (Pad Italije)* (Lordan Zafranovic, 1981) (English subt.) with Daniel Olbrychski, Ena Begovic, Gorica Popovic, Draan Marksimovic, Mirjana Karanovic and Miodrag Krivokapic at 9 p.m. in H-110, Hall Bldg. \$2 each.

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CPR REFRESHER COURSE, MAY 15, 1988 - 8 hours for life. This course is offered to people certified in the CPR Basic Life Support course who want to renew their certification and update their knowledge. For more information, call 848-4877.

THE JEAN H. PICARD FOUNDATION SCHOLARSHIP IN POLITICAL SCIENCE: The Political Science Department is offering 3 scholarships of \$1,000 each to students of the Department. Interested students can pick up applications at 2140 Bishop, room D-103. The application form and a copy of the applicant's transcript should be submitted no later than April 15, 1988 to Dr. Henry Habib, Chairman, Political Science Department, at the above address.

GARDERIE CONCORDIA IS PRESENTLY ACCEPTING APPLICATIONS FOR JUNE, JULY & AUGUST. For more information, call 848-8789.

LACOLLE CENTRE FOR EDUCATIONAL INNOVATION: Olivia Rovinescu on *EFFECTIVE QUESTIONING SKILLS*, 9:30 a.m. - 3:30 p.m., Friday, April 8, 1988, in AD-231, West-end campus. Fee: \$45, for General Public; \$35 for Concordia faculty and staff; \$25 for full-time students. For more information, call 848-4955.

LACOLLE CENTRE FOR EDUCATIONAL INNOVATION: Workshop with Vivianne Silver on *IS THERE LIFE AFTER TEACHING*, 9:30 a.m. - 3:30 p.m., Saturday, April 30, in AD-131, West-end campus. Fee: \$45. For more information, call 848-4955.

NATIONAL NEWMAN CONFERENCE: Meeting of Catholic students from across Canada, in Toronto, August 21 - 26. 1988 theme: *RELUCTANT PROPHETS: The challenge of living prophetic lives.*

Sunday 17

CONSERVATORY OF CINEMATOGRAPHIC ART: *The Dream (De natura sonoris)* (Lordan Zafranovic, 1974) (English subt.) and *The Angel's Bite (Ujed Andjela)* (Lordan Zafranovic, 1984) (English subt.) with Katalin

Ladik, Boris Kralj, Marina Nemet, Charles Milot and Boris Blazenkovic at 7 p.m.; *Evening Bells (Vecernja Zvona)* (Lordan Zafranovic, 1985) (English subt.) with Rade Serbedzija, Petar Bozovic, Miodrag Krivokapic and Nada Arneric at 9 p.m. in H-110, Hall Bldg. \$2 each.

NOTICES

For more information, call Peter at 848-3586 or Daryl at 848-3585.

LACOLLE CENTRE FOR EDUCATIONAL INNOVATION: Workshops with Greta Hoffmann Nemiroff on *SELF-RENEWAL IN THE SPRING OR HOW TO GET FIRED UP INSTEAD OF BURNED OUT*, on Saturday, April 16, 1 - 5 p.m., in AD-131, West-end campus, \$35.00; and *GETTING YOUR POINTS ACROSS WITH IMPACT AND STYLE*, a workshop on written and spoken communication, on Saturday, April 23, 9 a.m. - 5 p.m., in AD-131, West-end campus; General Public, \$45; Concordia staff and students, \$40. For more information, call 848-4955.

PUBLICATIONS BY FELLOWS OF THE SIMONE DE BEAUVOIR ARE NOW ON SALE - Patricia Morley's *Margaret Laurence: Feminist, Nationalist and Matriarch of Canadian Letters*, \$2.50; and *Women Writers, Women's Lives*, \$2.50; Mair Verthuy's *"L'expression 'Maître chez nous' n'existe pas au Féminin. Pleure pas, Germaine et La Nuit and Femmes et Patrie dans l'oeuvre romanesque de Laure Conan*, \$3.50. For more information, call Linda at 848-2373.

REMOVAL OF TRAYS AND CUTLERY FROM CAFETERIA: The Food Services have received complaints about cafeteria trays, dishes and cutlery being left in the hallways of the Hall Bldg. They are concerned that these items may present a health or safety hazard. In an attempt to respond to these concerns and to try to improve its service to its customers who wish to eat in their offices, Food Services will offer *TAKE-AWAY SERVICE*. When you order your meal ask the staff to put your items in take-away containers. These containers will keep your food hotter longer and can be thrown away after you have finished your lunch.

GUIDANCE INFORMATION CENTRE has a special collection of material devoted to the needs and interests of the

handicapped. It includes books and pamphlets on career/educational planning and job search techniques. One item in this collection is *Job Hunting for the Disabled*. It may be borrowed from locations at 2490 West Broadway (West-end) and H-440, Hall Bldg. (Downtown).

HEALTH SERVICES: Hours 9 a.m. - 5 p.m. daily - Closed 12 noon - 1:30 p.m. except for emergencies. Two locations to serve you: Downtown campus, 2155 Guy, Suite 407; West-end campus, 6935 Sherbrooke, room 101. No appointment necessary to see a nurse. Just drop in. They are attuned to the specific needs and concerns of the student population. As well, a wide range of medical services are available, including specialists.

LEGAL PROBLEMS? We can help!! The Legal Information Service can help with information, counselling, and representation, if needed. We are located in Room CC-326, and our telephone number is 848-4960. Office hours are Monday through Friday, 9 a.m. to 5 p.m. This service is free and confidential.

RECORD LENDING LIBRARY: Classical, light classical, jazz and musical theatre. **PRACTICE ROOM WITH PIANO AVAILABLE.** Come to AD-121, West-end campus, Monday - Friday, 11 a.m. - 3 p.m. Show your I.D. card and you can take 3 records/tapes out for a period of 14 days. There is also a practice room with piano available. This service is free and sponsored by the Dean of Students Office. For more information, call 848-3510 (11 a.m. - 3 p.m.).

OMBUDS OFFICE: The Ombudspersons are available to all members of the University for information, advice and assistance with University-related problems. Call 848-4964 or drop into 2100 Mackay on the Downtown campus; room 326, Central Bldg. on the West-end campus. Services of the Ombuds Office are confidential.

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Maryse Perraud, 848-4880

EVENTS

Thursday 7

TO ALL FULL-TIME PERMANENT ACADEMIC AND NON-ACADEMIC PERSONNEL: Information meeting on **Survivor Protection Program**, 12 noon - 1:30 p.m., in H-110, Hall Bldg. Downtown campus.

THURSDAYS AT

LONERGAN: Guest speaker **MAYBEN POIRIER**, Political Science Department, Concordia University, on **FRENCH AND ENGLISH ELITES IN CANADA**, 4 - 5:30 p.m., Lonergan University College, 7302 Sherbrooke St. West. West-end campus. For more information, call 848-2280.

CONCERT: PIANO RECITAL with **Jan Jarczyk** playing his own compositions at 8 p.m. in the Loyola Chapel, 7141 Sherbrooke St. W. FREE. West-end campus.

THEATRE: Les Belles Soeurs by Michel Tremblay, translated by John Van Burek and Bill Glassco, and directed by Gerry Gross at 8 p.m. at the Chameleon Studio, West-end campus, 7141 Sherbrooke St. West. FREE ADMISSION. No Reservations. First come, first served. For further information, call 848-4747.

CONCORDIA ART GALLERY: *Medrie MacPhee: The Urban Landscape* and *Gérard Garneau: Drawings and Dry-points* on the mezzanine, Hall Bldg., until April 30. Monday - Friday, 10 a.m. - 8 p.m.; Saturday, 10 a.m. - 5 p.m. Downtown campus.

CAMPUS MINISTRY: NARCOLEPSY ASSOCIATION meeting, 7 - 9 p.m., in Belmore House; **CHRISTIAN FELLOWSHIP Prayer Group**, 11 - 12 noon, in Belmore House, 3500 Belmore Avenue. West-end campus. For more information, call 848-3588.

Friday 8

FINE ARTS FACULTY COUNCIL: Meeting at 9:30 a.m. in VA-245, Visual Arts Bldg., 1395 Dorchester West. Downtown campus.

ARTS AND SCIENCE FACULTY COUNCIL: Meeting at 1:30 p.m. in AD-131, Administration Bldg. West-end campus.

COMMERCE AND ADMINISTRATION FACULTY'S PH.D. WORKSHOPS - Visiting Speaker Series: Dr. James S. Ang, Florida State University, on **DEBT, LOCK-IN**

ASSET, AND CORPORATE RESTRUCTURING, 10 a.m. - 12 noon, in GM 600-04, 1550 de Maisonneuve Blvd. West. For more information, call 848-2908 or 848-2729.

THEATRE: Les Belles Soeurs by Michel Tremblay, translated by John Van Burek and Bill Glassco, and directed by Gerry Gross at 8 p.m. at the Chameleon Studio, West-end campus, 7141 Sherbrooke St. West. FREE ADMISSION. No Reservations. First come, first served. For further information, call 848-4747.

Saturday 9

CONSERVATORY OF CINEMATOGRAPHIC ART: Long Life to the Youth (Zivjela Mladost) (Lordan Zafranovic, 1965) (English subt.) with Ivo Klaric and *Sunday (Nedelja)* (Lordan Zafranovic, 1969) (English subt.) with Goran Markovic, Dragomir Cumic, Martin Crvelin, Gordan Puculjan, Nada Arbus and Relja Basic at 7 p.m.; *Afternoon (Poslije Podne)* (Lordan Zafranovic, 1968) (English subt.) with Tomislav Gotovac and *The Occupation in 26 Pictures (Okupacija u 26 slika)* (Lordan Zafranovic, 1978) (English subt.) with Boris Kralj, Milan Strljic, Stevo Zigon and Zvonimir Lepetic at 9 p.m. in H-110, Hall Bldg. \$2 each. Downtown campus. (LORDAN ZAFRANOVIC WILL BE PRESENT AT 9 P.M.)

THEATRE: Les Belles Soeurs by Michel Tremblay, translated by John Van Burek and Bill Glassco, and directed by Gerry Gross at 1 and 7 p.m. at the Chameleon Studio, West-end campus, 7141 Sherbrooke St. West. FREE ADMISSION. No Reservations. First come, first served. For further information, call 848-4747.

CONCERT: Concordia Chamber Choir under the direction of Christopher Jackson in works by Bruckner, Purcell, Smail, Sweelinck and others at 8 p.m. in the Loyola Chapel, 7141 Sherbrooke St. West. West-end campus. FREE.

Sunday 10

CONSERVATORY OF CINEMATOGRAPHIC ART: Ave Maria (My First Drunkenness) (Moje Prvo pijanstvo) (Lordan Zafranovic, 1971) (English subt.) with Jadranka Vucak, Jozo Puritic, Kaja Cvitic and Jaksa Mlacic, *The First Waltz (Prvi valcer)* (Lordan Zafranovic, 1971) (English

subt.) with Srecko Ivancic-Juti, and *Suburbs (Predradje)* (Lordan Zafranovic, 1972) (English subt.) with Boris Dvornik, Radmilo Curcic, Boris Bizetic and Pina Zupanovic at 7 p.m.; *Passers-by (Ljudi, U Prolazu)* (Lordan Zafranovic, 1967) (English subt.) with Katja Majer and *The Passion According to St. Matthew (Muke po Mati)* (Lordan Zafranovic, 1975) (English subt.) with Boris Cavazza, Alicia Jachiewicz, Zarko Radic and Bozidarka Frajt at 9 p.m. in H-110, Hall Bldg. \$2 each. Downtown campus.

CAMPUS MINISTRY: SUNDAY EUCHARIST at 11 a.m. and 8 p.m., in the Loyola Chapel, West-end campus. Celebrant: Robert Nagy. **SOCIETY OF FRIENDS (QUAKERS) WORSHIP**, at 11 a.m., 3500 Belmore, West-end campus. **HARPO'S CAFE**, 8 - 11:30 p.m. Folk music, coffee, tea, open stage. Belmore House, behind the Campus Centre. West-end campus. **WOMEN'S FORUM AT CONCORDIA UNIVERSITY:** Feminist issues presented 9:30 - 11 a.m. on C.A.N.A.L. (CFTU on Channel 29 or Cable 23). Today **RACISM AND FEMINISM**. For more information, call 848-3440.

Monday 11

CONSERVATORY OF CINEMATOGRAPHIC ART: Mauvais sang (Leos Carax, 1986) (French) with Denis Lavant, Juliette Binoche, Michel Piccoli, Hans Meyer, Julie Delpy, Carroll Brooks and Serge Reggiani at 8:30 p.m. in H-110, Hall Bldg. \$2. Downtown campus.

DOCTORAL THESIS DEFENCE: Mr. A.S. Narasimha Murthy on **COMPREHENSIVE STUDY OF PROVINCIAL COMMODITY TRANSPORTATION** at 2 p.m. in ER-303-2, 2155 Guy Street. Downtown campus.

DEPARTMENT OF COMMUNICATION STUDIES: Colloquia 1987-88 - M. Johnson (Radio-Québec), J. Dormeyer (CBC) and R. Moore (Radio-Canada), on **CANADIAN TELEVISION PROGRAMMING AND PRODUCTION TECHNIQUES** at 4:15 p.m. in BR-209, Bryan Bldg. West-end campus. For more information, call 848-2555.

SIMONE DE BEAUVOIR INSTITUTE: Nadia Ghalem, author of *Exil, Les Jardins de cristal* and *L'oiseau de fer* will

speak on **LES FEMMES ALGERIENNES: LEURS TRADITIONS** at 7 p.m. in the Simone de Beauvoir Institute, MU-202, 2170 Bishop St.

DEAN OF STUDENTS OFFICE: Ted Wright will be answering tenant/landlord questions, 11 a.m. - 3 p.m., in the Lobby of the Hall Bldg. Downtown campus. Open to all.

CAMPUS MINISTRY: CONCORDIA CHRISTIAN FELLOWSHIP Bible Study at 5:30 p.m. in Belmore House, 3500 Belmore Avenue. West-end campus.

Tuesday 12

CONSERVATORY OF CINEMATOGRAPHIC ART: Paris,

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NOTICES

TO ALL FULL-TIME PERMANENT ACADEMIC AND NON-ACADEMIC PERSONNEL - Information meetings on **SURVIVOR PROTECTION PROGRAM:** SGW campus - Thursday, April 7, 1988, 12 noon - 1:30 p.m. in H-110, Hall Bldg.

CUNASA: Nominations for positions on the Executive as well as for the Classification Councils are still open. Deadline for receipt of nominations is 4 p.m., Friday, April 8, 1988. Completed nominations should be submitted to Mrs. Danuta Gajewski-Weston, Chief Returning Officer, Downtown campus, BC-115B.

L'UNIVERSITE CONCORDIA A LA SORBONNE (PARIS), A NICE (COTE D'AZUR) SUMMER SCHOOLS: Deadline for Registration is April 15. For more information, call 848-7501 or 848-7500.

BOOKING THE LACOLLE CENTRE: The Lacolle Centre is now accepting applications for the months of September, October, November and December 1988. The deadline for submission of applications is June 1, 1988. For more information, call Diane Moffat at 848-4955.

CPR HEARTSAVER COURSE, APRIL 17, 1988 - 6 hours for life. The course includes rescue breathing and one person cardio-pulmonary resuscitation (CPR), management of the obstructed airway and infant and child resuscitation. For more information, call 848-4877.

ATTENTION: ALL FALL 1988 CERTIFICATE, DIPLOMA, BACHELOR'S, MASTER'S, AND DOCTORAL DEGREE CANDIDATES: If you are completing the requirements for your certificate, degree, or diploma program this Summer and therefore expect to be considered as a graduation candidate this Fall, **YOU** must inform the Graduation Office by submitting a Fall 1988 Graduation Application no later than July 15, 1988. **STUDENTS WHO DO NOT APPLY BY THIS DATE WILL NOT GRADUATE THIS FALL.** Obtain your form from the Registrar's Services Department on your campus and submit it today! (Loyola, AD-211; SGW, N-107).

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UNCLASSIFIED

HOUSE FOR SALE N.D.G.: Cottage, 3 bedrooms, den, modern kitchen, fireplace, garage, fenced garden. Quiet residential street - 2 minutes walk to Loyola Campus. 486-5083.

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WORD PROCESSING (Lougheed): Professional, courteous service for students, business. Laser printer. Student rates. Downtown. 934-1455.